

POWERED BY **Dialog**

Interferometric position measuring equipment has material measure with transmissive phase grid that functions as diffraction grating

Patent Assignee: STEGMANN GMBH ANTRIEBSTECHNIK ELEKTRONIK

Inventors: SAMLAND T

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
DE 10025410	A1	20011206	DE 1025410	A	20000524	200213	B

Priority Applications (Number Kind Date): DE 1025410 A (20000524)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
DE 10025410	A1		7	G01B-011/00	

Abstract:

DE 10025410 A1

NOVELTY A measurement base (10) is arranged between transmitter (20) and photoelectric receivers (30). The measurement base has coded segments (1,2) for bending the light beam. The coded segment (1) has transmissive phase grid that functions as a diffraction grating.

USE Interferometric position measuring equipment.

ADVANTAGE Avoids Moire effects and increases resolution as the transmissive phase grid functions as diffraction grating.

DESCRIPTION OF DRAWING(S) The figure shows an interferometric position measuring equipment.

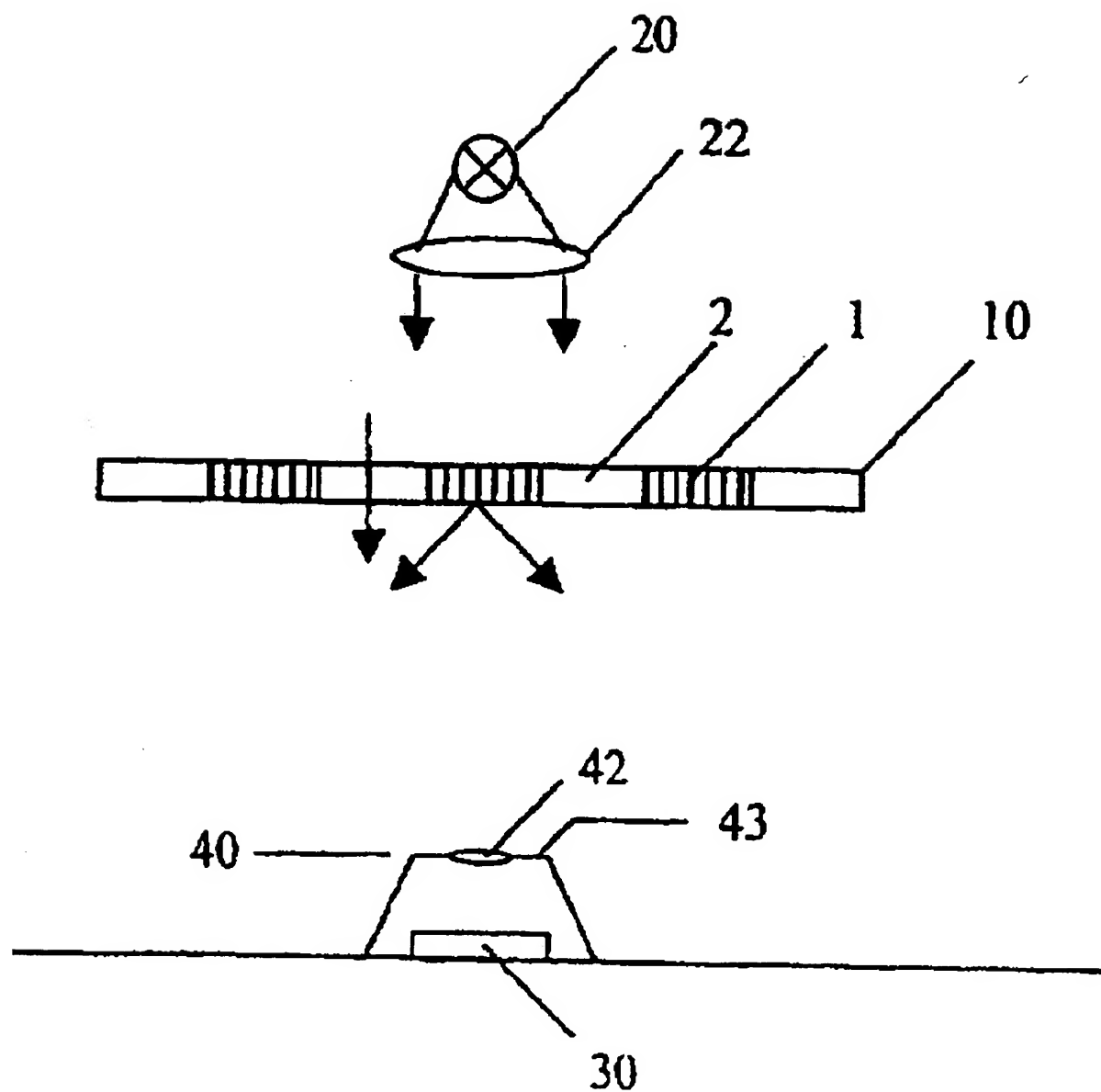
Coded segments (1,2)

Measurement base (10)

Transmitter (20)

Photoelectric receivers (30)

pp; 7 DwgNo 3/5



Derwent World Patents Index
© 2003 Derwent Information Ltd. All rights reserved.
Dialog® File Number 351 Accession Number 14270361

BEST AVAILABLE COPY

